

EXHIBIT 10

1 IN THE UNITED STATES DISTRICT COURT
2 FOR THE DISTRICT OF MASSACHUSETTS
3

4 DEPUY MITEK, INC., a)
5 Massachusetts corporation,)
6 Plaintiff,) Civil Action
7 vs.) 04-12457 PBS
8 ARTHREX, INC., a Delaware)
9 corporation,)
10 Defendant.)
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12 - - - - -
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14 The deposition of DEBI PRASAD
15 MUKHERJEE was taken on Tuesday, June 13,
16 2006, commencing at 9:08 a.m., at the
17 offices of Dickstein Shapiro Morin &
18 Oshinsky LLP, 2101 L Street, N.W.,
19 Washington, D.C., before Susanne Bergling,
20 Registered Merit Reporter and Notary Public.
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<p>1 A. Then polypropylene is twice, polyester is 2 about twice -- I mean polyester -- polyethylene is 3 twice, then -- ultra high molecular weight 4 polyethylene is twice than polypropylene and twice 5 than polyester, so they are probably significantly 6 higher for the ultra high molecular weight 7 polyethylene, knot pull strength.</p> <p>8 Q. Do you know if -- does he provide the 9 standard deviation for the knot pull strength?</p> <p>10 A. He didn't, but just looking at the figures, 11 I mean, I can say that, looking at 1.35 or 1.44, 12 you have to say that.</p> <p>13 Q. Okay. So, he did not provide standard 14 deviation in this chart.</p> <p>15 A. Not in this chart.</p> <p>16 Q. Now, for the knot configuration four equals 17 one equals one, do you see that?</p> <p>18 A. Yes.</p> <p>19 Q. The polyethylene failed at 0.35 20 gigapascals, which is lower than the failure value 21 for the nylon, polypropylene and polyester for the 22 four equals one equals one configuration, right?</p> <p>23 A. Yes.</p> <p>24 Q. Okay. And that's because the polyethylene 25 slipped, right?</p>	<p>238</p> <p>1 Q. And nylon is less lubricious than 2 polypropylene and polyethylene, right?</p> <p>3 A. Probably.</p> <p>4 Q. Okay. Now, in that chart, do you see how 5 going across there's different knot 6 configurations, two equals two, three equals two 7 equals one, four equals one equals one, four 8 equals four and four equals four equals four?</p> <p>9 A. Yes.</p> <p>10 Q. So, going from left to right, two equals 11 two to four equals four equals four, the two 12 equals two is a simpler knot than the four equals 13 four equals four, right?</p> <p>14 A. It's not simple or complex. It depends on 15 what the surgeon wants to do. So, he can put more 16 knots to make sure, and in general, they do. They 17 will not stop at two by two. They will probably 18 go to four by four by four to make sure it is 19 there, especially ophthalmic use.</p> <p>20 Q. Okay. And if you turn to page ARM 25137 --</p> <p>21 A. Thirty-seven, yeah.</p> <p>22 Q. Okay, of Cohan, the last paragraph of the 23 first column --</p> <p>24 A. Yeah.</p> <p>25 Q. -- do you see the sentence beginning</p>
<p>239</p> <p>1 A. I don't use the word "sucked."</p> <p>2 Q. I said "slipped."</p> <p>3 A. Slipped, okay. I thought I heard... 4 sorry.</p> <p>5 Q. So, the polyethylene failed at the 0.35 6 gigapascal level for the four equals one equals 7 one configuration because of the polyethylene 8 slipping, right?</p> <p>9 A. Right.</p> <p>10 Q. Okay. Polyethylene, including ultra high 11 molecular weight polyethylene, is a lubricious 12 material, right?</p> <p>13 A. Yes.</p> <p>14 Q. Okay.</p> <p>15 A. It's also polypropylene -- excuse me.</p> <p>16 Q. Sure.</p> <p>17 A. Polypropylene is also a lubricious 18 material.</p> <p>19 Q. It is?</p> <p>20 A. Yes, it is.</p> <p>21 Q. Okay. How about nylon or polyester, are 22 they lubricious?</p> <p>23 A. Nylon is also -- again, is lubricious.</p> <p>24 Q. How about polyester?</p> <p>25 A. Polyester will be less.</p>	<p>241</p> <p>1 "Although"? The first column --</p> <p>2 A. Did you say first column?</p> <p>3 Q. First column, last paragraph.</p> <p>4 A. Last paragraph.</p> <p>5 Q. The sentence beginning, "Although."</p> <p>6 A. "Although," yes.</p> <p>7 Q. Cohan states, "Although laboratory testing 8 showed that the polyethylene fiber has a somewhat 9 lower knot holding strength with simpler knots 10 than the other three polymers, more complex knots 11 than are commonly used would realize 12 polyethylene's great knot pull strength."</p> <p>13 Do you see that?</p> <p>14 A. Yes.</p> <p>15 Q. Okay. So, Cohan was calling the more -- 16 the additional knot configurations more complex, 17 right?</p> <p>18 A. That's what -- if he meant by that.</p> <p>19 Q. Well, did you understand that's what he 20 means when you read this reference?</p> <p>21 A. Well, I -- I think that normally for a 22 surgeon, they will put as many knots they can to 23 make sure it's secure, and it's nothing complex or 24 simple about it.</p> <p>25 Q. Well, if you look at the author, the author</p>

<p>1 in the monomer?</p> <p>2 A. Yeah -- well, it's not a monomer, in the</p> <p>3 polymer.</p> <p>4 Q. In the polymer?</p> <p>5 A. Yeah.</p> <p>6 Q. I'm confused. Are you saying that the</p> <p>7 monomer unit in all types of polyethylene is the</p> <p>8 same or different?</p> <p>9 A. Mostly same, yeah.</p> <p>10 Q. Mostly same, okay.</p> <p>11 Would one of ordinary skill in the art</p> <p>12 between 1988 and 1992 think that the term</p> <p>13 "polyethylene" refers to low-density polyethylene</p> <p>14 or includes -- should I say includes low-density</p> <p>15 polyethylene?</p> <p>16 A. Yeah, it would.</p> <p>17 Q. It would? But not ultra high? Is that</p> <p>18 your opinion?</p> <p>19 A. Ah, they will also include ultra high,</p> <p>20 because there are different properties, so they</p> <p>21 will include also ultra high, as well as</p> <p>22 low-density.</p> <p>23 Q. Okay. I'd like to turn to polypropylene as</p> <p>24 used in the '446 patent, Exhibit 3 to your first</p> <p>25 report. Do you see the '446 patent?</p>	<p>294</p> <p>1 heterogenous braid."</p> <p>2 Do you see that?</p> <p>3 A. That is correct.</p> <p>4 Q. Ultra high molecular weight is a</p> <p>5 lubricating yarn, right?</p> <p>6 A. Yes.</p> <p>7 Q. Okay. Then it says -- further down it</p> <p>8 says, "Such fiber forming polymers include</p> <p>9 perfluorinated polymers," and describes some of</p> <p>10 those, and then it says, "as well as</p> <p>11 non-perfluorinated polymers," and refers to</p> <p>12 polyethylene and PE, right?</p> <p>13 A. Right.</p> <p>14 Q. Okay. Ultra high molecular weight</p> <p>15 polyethylene came as fibers before 1992, right?</p> <p>16 A. Yes.</p> <p>17 Q. Okay. Now, do you see where in the end it</p> <p>18 says, "The preferred polymers for the first set</p> <p>19 are PTFE, PETFE, FEP, PE and PP"?</p> <p>20 Do you see that?</p> <p>21 A. Yes.</p> <p>22 Q. Okay. That's column 4, lines 28 to 31.</p> <p>23 Did you understand that sentence to refer</p> <p>24 to all types of polypropylene or just certain</p> <p>25 types of polypropylene?</p>
<p>1 A. Yeah.</p> <p>2 Q. Exhibit 3?</p> <p>3 A. Exhibit 3.</p> <p>4 Q. Right.</p> <p>5 A. Yeah, I'm at this.</p> <p>6 Q. No, Exhibit 3. I'm sorry, that's Exhibit</p> <p>7 3. I'm sorry. Yeah, if you would go to column 4,</p> <p>8 please.</p> <p>9 A. Yeah.</p> <p>10 Q. Okay. Beginning at line 9 through 32, do</p> <p>11 you see that?</p> <p>12 A. Nine through 32, yeah.</p> <p>13 Q. Okay. That paragraph says, "Preferably,</p> <p>14 the continuous filaments which make up the first</p> <p>15 and second set of yarns are derived from</p> <p>16 nonabsorbable polymers."</p> <p>17 Do you see that?</p> <p>18 A. Yes.</p> <p>19 Q. Is ultra high molecular weight polyethylene</p> <p>20 a nonabsorbable polymer?</p> <p>21 A. Yes.</p> <p>22 Q. Okay. Then it says, "In a preferred</p> <p>23 embodiment, the first set of yarns acts as</p> <p>24 lubricating yarns to improve the pliability, or</p> <p>25 compliance, and surface lubricity of the</p>	<p>295</p> <p>297</p> <p>1 MR. TAMBURRO: Objection, vague.</p> <p>2 THE WITNESS: This is general purpose</p> <p>3 polyethylene, which it provides the lubricity and</p> <p>4 as well as pliability and compliance, not ultra</p> <p>5 high molecular weight polyethylene.</p> <p>6 BY MR. BONELLA:</p> <p>7 Q. Okay, that wasn't my question. Listen to</p> <p>8 the question.</p> <p>9 Did you understand that sentence to refer</p> <p>10 to all types of polypropylene?</p> <p>11 MR. TAMBURRO: Objection, vague.</p> <p>12 THE WITNESS: The fiber-forming</p> <p>13 polypropylene, yes.</p> <p>14 BY MR. BONELLA:</p> <p>15 Q. All types, okay.</p> <p>16 Did you understand -- do you see where it</p> <p>17 refers to PVDF?</p> <p>18 A. Yes.</p> <p>19 Q. Did you understand this paragraph to be</p> <p>20 referring to all types of polyvinylidene fluoride?</p> <p>21 A. Yes.</p> <p>22 Q. Okay. Do you see where it refers to PTFE</p> <p>23 in that paragraph?</p> <p>24 A. Yes.</p> <p>25 Q. Did you understand it to be referring to</p>

<p>358</p> <p>1 why the inventors should be precluded from 2 covering coated sutures with their patent? 3 A. No, I don't have any opinion. 4 Q. Okay. Do you have patents? 5 A. Yes. 6 Q. Okay. And in your patents, do you list 7 things that are claimed? 8 A. In my patent, yes, I do. 9 Q. Okay. Do you describe things in your 10 patents that may or may not be included within the 11 invention, in the description of the invention? 12 A. I don't remember what my -- I don't have 13 the patent in front of me. 14 Q. Well, in the claims, do you list every 15 possible feature of the invention? 16 MR. TAMBURO: Objection, vague. 17 THE WITNESS: I tried to. 18 BY MR. BONELLA: 19 Q. But do you list -- don't you try to get as 20 broad a claim as you can to cover as broad a 21 concept of your invention? 22 MR. TAMBURO: Objection, vague. He's not a 23 patent attorney. 24 THE WITNESS: I write what I -- my 25 invention is, and patent attorney actually</p>	<p>360</p> <p>1 invention, don't you want to try to protect as 2 broadly as possible? 3 A. Again, I may want something, but patent 4 attorney might come out with something different, 5 and Patent Office may come out with another 6 determination. 7 Q. If there's things in your patent that you 8 say may or may not be included within your 9 invention, but they're not listed in the claims, 10 do you think they should be excluded from the 11 claims in your patent? 12 MR. TAMBURO: Objection, calls for a legal 13 conclusion of a patent that we're not even -- that 14 we don't have in front of us and asking him to 15 interpret claim language of a patent we don't have 16 in front of us. This is ridiculous. 17 THE WITNESS: It's so hypothetical, I 18 cannot answer that question. 19 BY MR. BONELLA: 20 Q. You cannot answer it? 21 A. No. 22 Q. Okay. Do you see in the claim, claim 1 -- 23 A. Uh-huh. 24 Q. -- it says, "A surgical suture consisting 25 essentially of a heterogenous braid," do you see</p>
<p>359</p> <p>1 formalize all of this. 2 BY MR. BONELLA: 3 Q. Okay. And -- 4 A. So, I cannot say anything more than that. 5 Q. You didn't want the broadest protection 6 possible on your patents? 7 A. Whatever the patent attorney wants -- 8 MR. TAMBURO: Objection, misrepresents the 9 testimony. Give me a chance to object, Debi. 10 BY MR. BONELLA: 11 Q. But the patent attorney does? 12 A. Yes. 13 Q. Okay. So, it's not what you want in your 14 patents; it's what the patent attorney wants in 15 terms of protection? 16 A. Well, I provide the information, it's a 17 back and forth -- 18 Q. Right. 19 A. -- and I might say, well, it should be 20 included in this, but patent attorney is the final 21 one -- 22 Q. Right. 23 A. -- who decides on the claims and the 24 writing part of the -- as you know. 25 Q. Right. And isn't it the goal with your</p>	<p>361</p> <p>1 that? 2 A. Yes. 3 Q. Is FiberWire a surgical suture? 4 A. FiberWire is a surgical suture, yes. 5 Q. Does FiberWire consist essentially of a 6 heterogenous braid? 7 A. Yes. 8 Q. Is FiberWire composed of a first and second 9 set of continuous and discrete yarns in a 10 sterilized, braided construction wherein at least 11 one yarn from the first set is in direct 12 intertwining contact with a yarn from the second 13 set? 14 A. Their construction is quite different from 15 this described here for FiberWire, what I know of 16 FiberWire. 17 Q. Well, FiberWire has a heterogenous -- has a 18 sheath that's a braid of ultra high molecular 19 weight polyethylene and PET, right? 20 A. Sheath of those two materials, yes. 21 Q. Braided together. 22 A. Right. 23 Q. Okay. Well, is that sheath of FiberWire, 24 is that a heterogenous braid? 25 A. Yeah, they are two different materials.</p>

<p>1 Q. Okay. And is the FiberWire heterogenous 2 braid composed of a first and second set of 3 continuous and discrete yarns? 4 A. Yes. 5 Q. Okay. And is the FiberWire heterogenous 6 sheath braid composed of discrete yarns in a 7 sterilized braided construction? 8 A. Yes. 9 Q. And does the FiberWire heterogenous braided 10 sheath have a braided construction where at least 11 one yarn from the first set is in direct 12 intertwining contact with a yarn from the second 13 set? 14 A. There is intertwining contact, yes. 15 Q. Okay. And in the next column, it says, 16 "Each yarn from the first set is composed of a 17 plurality of filaments of a first fiber-forming 18 material selected from the group consisting of 19 PTFE, FEP, PFA, PVDF, PETFE, PP and PE." 20 Do you see that? 21 A. I see it. 22 Q. Does the FiberWire sheath have a yarn that 23 meets that criteria? 24 A. No. 25 Q. Why?</p>	<p>362</p> <p>1 A. But that's -- the -- the FiberWire has 2 ultra high molecular weight polyethylene core. 3 Q. Right. 4 A. Yes. 5 Q. If the Court says that PE, as used in the 6 claims of the '446 patent, means ultra high 7 molecular weight polyethylene, does FiberWire meet 8 that clause (a) in column 9 of claim 1? 9 A. That's a hypothetical question. I cannot 10 answer that. 11 Q. You can't answer it? 12 A. No. 13 Q. You can't provide an opinion one way or the 14 other? 15 A. No. 16 Q. Okay. Claim 2, it says, "The surgical 17 suture of claim 1 wherein the suture is attached 18 to a needle." 19 Do you see that? 20 A. Yes. 21 Q. Is FiberWire sold attached to a needle? 22 A. Yes. 23 Q. Okay. 24 A. Not always, but I have seen the suture -- a 25 needle with -- I mean a suture with a needle.</p>
<p>1 A. Because it has ultra high molecular weight 2 polyethylene for its strength, and this PE does 3 not include that ultra high molecular weight 4 polyethylene. 5 Q. And that's your opinion? 6 A. Yes. 7 Q. Okay. And the next part says, "Each yarn 8 from the second set is composed of a plurality of 9 filaments of a second fiber-forming material 10 selected from the group of PET, nylon and aramid." 11 Do you see that? 12 A. Yes. 13 Q. Does FiberWire meet that criteria? 14 A. It has the PET in it. 15 Q. So, it meets that criteria? 16 A. Uh-huh. 17 Q. And then it says, "Optionally a core." 18 FiberWire optionally has a core, right? 19 A. Right. 20 Q. Okay. If the Court defines PE, as used in 21 that claim, to mean ultra high molecular weight 22 polyethylene, if the Court defines PE to mean 23 ultra high molecular weight polyethylene -- 24 A. Not in this patent. 25 Q. No, if the Court --</p>	<p>363</p> <p>1 Q. Okay, claim 8 says, "The surgical suture of 2 claim 1 wherein the second set of yarns is PET." 3 FiberWire meets that criteria, right? 4 A. Yes. 5 Q. Claim 9 says, "The surgical suture of claim 6 8 wherein the volume fraction of the first set of 7 yarns in the braided sheath and core ranges from 8 about 20 to about 80 percent." 9 Do you see that? 10 A. I don't know at what percentage of PET and 11 the ultra high molecular weight polyethylene is in 12 the FiberWire. 13 Q. So, you don't have an opinion whether 14 FiberWire meets that limitation? 15 A. No. 16 Q. Then in claim 12, it says, "The surgical 17 suture of claim 8 wherein the suture is attached 18 to the needle." 19 Do you see that? 20 A. Yes. 21 Q. FiberWire meets -- when FiberWire is sold 22 attached to a needle, it meets that limitation? 23 A. Most of the time, but there is another 24 non-needle part, too. 25 Q. Okay. You reviewed the prosecution history</p>

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DEPUY MITEK, INC., a Massachusetts)
Corporation,)
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Defendant.)

)

Videotaped Deposition of DEBI PRASAD MUKHERJEE

- VOLUME TWO -

Washington, DC

Wednesday, June 14, 2006

The videotaped deposition of DEBI PRASAD MUKHERJEE, Volume Two, was held on Wednesday, June 14, 2006, commencing at 9:12 a.m., at the offices of Dickstein Shapiro Morin & Oshinsky LLP, 2101 L Street, Northwest, Washington, DC, before Mary Ann Payonk, RDR, Certified Realtime Reporter, Registered Diplomate Reporter and Notary Public.

	Page 562	Page 564
1	MR. TAMBUR: Objection, vague.	1 BY MR. BONELLA:
2	A Enough information for a scanning	2 Q Okay. Do you know what samples on that
3	microscopy is not very conclusive. They may or may	3 page he was talking about, when -- when they were
4	not be.	4 made?
5	BY MR. BONELLA:	5 A Well, according to the lab, his notebook
6	Q You don't know?	6 page signed was date of '89 -- I mean '89.
7	A I don't know.	7 Q Right.
8	Q Okay. Does the coating on FiberWire	8 A That's what it says here.
9	prevent the PET yarns and the PTFE yarns from each	9 Q Okay. Do you know when those samples were
10	providing their individual properties to FiberWire?	10 made that are discussed on that page?
11	MR. TAMBUR: Objection, vague.	11 A It's February 2, 1989 at the top. That's
12	THE WITNESS: Now please correct me.	12 when the lab entry is.
13	MR. TAMBUR: And -- and -- and -- and --	13 Q Okay.
14	THE WITNESS: FiberWire does not contain	14 A I assume that's when the samples were
15	PTFE.	15 made.
16	BY MR. BONELLA:	16 Q Okay. I'd like you to turn to Exhibit 26
17	Q Oh, I'm sorry. Did I misspeak?	17 to Exhibit 359, the report of Dr. Matthew Hermes,
18	A You just said that.	18 which contains a larger excerpt of Dr. Steckel's
19	Q I'm sorry.	19 report right here. And if I could draw your attention
20	Does the coating on FiberWire prevent the	20 to page DMI002617, okay?
21	PET fibers, PET or ultra high molecular weight	21 A Right here.
22	polyethylene fibers from providing contribution to	22 Q Right here. 17. Okay --
23	FiberWire's properties?	23 A 1617.
24	MR. TAMBUR: Objection, vague.	24 Q Here's an entry on DMI002617 is June 6,
25	A No.	25 1988?
	Page 563	Page 565
1	BY MR. BONELLA:	1 A That's correct.
2	Q Okay. I'd like to go to your first	2 Q Okay. And if you look at the next page,
3	report, invalidity, Exhibit 239. If we go to tab --	3 shows a chart of samples, composite braid evaluation,
4	tab 9 --	4 braid constructions. Do you see that?
5	A Tab 9.	5 A Yes.
6	Q There's an excerpt from Dr. Steckel's	6 Q Did you consider that, those
7	report.	7 constructions?
8	A Right.	8 MR. TAMBUR: Take your time,
9	Q It's only a -- a one-page excerpt from his	9 Dr. Mukherjee.
10	laboratory notebook.	10 A I believe I did.
11	A Yes.	11 BY MR. BONELLA:
12	Q Okay. Did you select that one page to put	12 Q Okay. CBE15, do you see CBE15 sample?
13	in your report out of his entire notebook, or were you	13 A Yeah.
14	given that one page?	14 Q Do you know what the construction of that
15	A No, I have the entire notebook.	15 sample was?
16	Q Okay. Why'd you pick -- did you consider	16 MR. TAMBUR: Objection, vague.
17	the remainder of his notebook when -- when you selected	17 A Was PTFE, 11049 in the denier and the
18	that individual page to attach to your report?	18 fiber. This column on these other things are not
19	MR. TAMBUR: Objection. Well, not an	19 there.
20	objection, but if you need -- to the extent you need	20 BY MR. BONELLA:
21	to read the context of why you cited this, please do	21 Q Do you know what the construction of CB15
22	so.	22 was?
23	A Because it is very clear that he was	23 MR. TAMBUR: Objection, vague.
24	talking about difficulties in core popping and braid	24 A If I understood, you are asking the --
25	looseness.	25 BY MR. BONELLA: